


IN THE CLAIMS:

Please amend claims 1, 4-5, 7-11, 14 -19, 21-22, 24-26, and 28-29 and add claims 30-37 as follows:

1. (Currently Amended) A system for ~~allowing items~~ finding data related to an example item datum ~~to be found~~, comprising:

at least one relationship agent contained in a first electronic device that automatically builds relationship information ~~between different items~~ about data residing in different applications on the first electronic device;

 ~~an item~~ a data relationship database formed by the at least one relationship agent, the database including the relationship information ~~between different items~~ about data residing in different applications on the first electronic device;

a synchronizer that transfers the ~~item~~ data relationship database, or a portion thereof, from the first electronic device to ~~the~~ a second electronic device; ~~[[and]]~~

a user interface on the second electronic device to accept input of the example datum; and

logic embedded in the second electronic device that uses the relationship information in the ~~item~~ data relationship database to find ~~items~~ data related to the example ~~item~~ datum.

2. (Original) The system of claim 1, wherein the first electronic device is a personal computer, and the second electronic device is a personal digital assistant.

3. (Original) The system of claim 1, wherein the second electronic device is a

system with low processing power and limited storage capacity.

4. (Currently Amended) The system of claim 1, further comprising:
a user interface mechanism on the second electronic device that allows ~~users~~ a user to ask query for ~~items~~ data related to the example ~~item~~ datum; and
a display on the second electronic device that ~~illustrates~~ displays the ~~items~~ data related to the example ~~item~~ datum when the user interface mechanism is invoked.

5. (Currently Amended) The system of claim 1, further comprising a supporting database coupled to the at least one relationship agent, ~~which allows~~ wherein the at least one relationship agent ~~to make a query into~~ queries the supporting database for ~~finding~~ to find the relationship information of a ~~particular item~~ the example datum.

6. (Original) The system of claim 1, wherein the relationship information is built based on criteria, including at least one of temporal relevance, content relevance and people relevance.

7. (Currently Amended) The system of claim 1, wherein the ~~item~~ data relationship database includes a document table for storing type and location information of ~~particular items~~ data and a document relation table for storing correlation among ~~sets of different items~~ data and a description of the type of relationship for each ~~set~~ the data.

8. (Currently Amended) The system of claim 1; wherein ~~items~~ data related to a set of ~~example items~~ example data are found.

9. (Currently Amended) The system of claim 1, wherein the synchronizer ~~allows transfer~~ transfers of an item the data relationship database, or a portion thereof, from the second electronic device to the first electronic device.

10. (Currently Amended) The system of claim 1, further comprising a user interface front end to the ~~item~~ data relationship database that allows ~~users~~ the user to modify the relationship information stored in the ~~item~~ data relationship database, set ~~their~~ the user's own relationship information, or set ~~the~~ rules for making the relationship information for the at least one relationship agent.

11. (Currently Amended) A handheld device that supports query by example, comprising:

~~an item~~ a data relationship database that stores pre-computed relationship information ~~between different items~~ about data residing in different applications on a remote electronic device;

a user interface mechanism that allows a user to ask query for ~~item~~ data related to an example ~~item~~ datum;

logic that uses the relationship information in the ~~item~~ data relationship database to find ~~items~~ data related to the example ~~item~~ datum; and

a display that ~~illustrates~~ displays the items data related to the example item datum when the user interface mechanism is invoked.

12. (Original) The handheld device of claim 11, wherein the handheld device has low processing power and limited storage capacity as compared to a personal computer.

13. (Original) The handheld device of claim 11, wherein the pre-computed relationship information is built based on criteria, including at least one of temporal relevance, content relevance and people relevance.

14. (Currently Amended) The handheld device of claim 11, wherein the ~~item~~ data relationship database includes a document table for storing type and location information of ~~particular items~~ data and a document relation table for storing correlation among ~~sets of different items~~ data and a description of the type of relationship for each ~~set~~ the data.

15. (Currently Amended) The handheld device of claim 11, further comprising a user interface front end to the ~~item~~ data relationship database that allows users a user to modify the pre-computed relationship information, set their the user's own relationship information ~~on top of the pre-computed relationship information~~, or set the rules for making the relationship information.

16. (Currently Amended) A method of finding ~~items~~ data related to an example ~~item~~ datum in a first computing device, the method comprising:

building relationship information ~~between different items~~ about data residing in different applications in a second computing device;

forming ~~an item~~ a data relationship database that stores the relationship information in the second computing device;

transferring the ~~item~~ data relationship database, or a portion thereof, from the second ~~electronic~~ computing device to the first ~~electronic~~ computing device; [[and]]

querying for data related to the example datum; and

using the relationship information in the ~~item~~ data relationship database to find the ~~items~~ data related to the example ~~item~~ datum in the first ~~electronic~~ computing device.

17. (Currently Amended) The method of claim 16, wherein the first ~~electronic~~ computing device is a system with low processing power and limited storage capacity as compared to a personal computer.


18. (Currently Amended) The method of claim 16, further comprising:

providing a user interface mechanism on the first ~~electronic~~ computing device that allows a user to ask query for ~~items~~ data related to the example ~~item~~ datum; and

~~illustrating~~ displaying the ~~items~~ data related to the example ~~item~~ datum when the user interface mechanism is invoked.

19. (Currently Amended) The method of claim 16, further comprising making a query into a supporting database coupled to the data relationship database for finding the relationship information of a particular ~~item~~ datum.

20. (Original) The method of claim 16, wherein the relationship information is built based on criteria, including at least one of temporal relevance, content relevance and people relevance.



21. (Currently Amended) The method of claim 16, further comprising transferring ~~an item~~ a data relationship database, or a portion thereof, from the first ~~electronic~~ computing device to the second ~~electronic~~ computing device.

22. (Currently Amended) The method of claim 16, further comprising providing a user interface front end to the ~~item~~ data relationship database that allows ~~users~~ a user to modify the relationship information stored in the ~~item~~ data relationship database, set ~~their~~ the user's own relationship information, or set ~~the~~ rules for making the relationship information.

23. (Currently Amended) A computer readable medium for use in conjunction with a first computing device and a second computing device for finding ~~items~~ data related to an example ~~item~~ datum in a first computing device, the computer readable medium including computer readable instructions encoded thereon for:

building relationship information ~~between different items~~ about data residing in different applications in a second computing device;

forming ~~an item~~ a data relationship database that stores the relationship information in the second computing device;

transferring the ~~item~~ data relationship database, or a portion thereof, from the second ~~electronic~~ computing device to the first ~~electronic~~ computing device; [[and]]

accepting the input of the example datum; and

using the relationship information in the ~~item~~ data relationship database to find ~~items~~ data related to the example ~~item~~ datum in the first ~~electronic~~ computing device.

24. (Currently Amended) The computer readable medium of claim 23, wherein the first ~~electronic~~ computing device is a system with low processing power and limited storage capacity as compared to a personal computer.

25. (Currently Amended) The computer readable medium of claim 23, further comprising computer readable instruction encoded thereon for:

providing a user interface mechanism on the first ~~electronic~~ computing device that allows a user to ask query for ~~items~~ data related to the example ~~item~~ datum; and

~~illustrating displaying the~~ items data related to the example ~~item~~ datum when the user interface mechanism is invoked.

26. (Currently Amended) The computer readable medium of claim 23, further comprising computer readable instruction encoded thereon for making a query into a

supporting database coupled to the data relationship database for finding the relationship information of ~~a particular item~~ the example datum.

27. (Original) The computer readable medium of claim 23, wherein the relationship information is built based on criteria, including at least one of temporal relevance, content relevance and people relevance.

28. (Currently Amended) The computer readable medium of claim 23, further comprising computer readable instruction encoded thereon for transferring ~~an item~~ a data relationship database, or a portion thereof, from the first ~~electronic~~ computing device to the second ~~electronic~~ computing device.

29. (Currently Amended) The computer readable medium of claim 23, further comprising computer readable instruction encoded thereon for providing a user interface front end to the ~~item~~ data relationship database that allows ~~users~~ a user to modify the relationship information stored in the ~~item~~ data relationship database, set ~~their~~ the user's own relationship information, or set ~~the~~ rules for making the relationship information.

30. (New) The system of claim 1 wherein the different applications are one of a calendar application, an email application, a to-do list application, a memo application, a word processing application, and a contacts application.

31. (New) The hand-held device of claim 11 wherein the different applications are one of a calendar application, an email application, a to-do list application, a memo application, a word processing application, and a contacts application.

32. (New) The method of claim 16 wherein the different applications are one of a calendar application, an email application, a to-do list application, a memo application, a word processing application, and a contacts application.

33. (New) The computer-readable medium of claim 23 wherein the different applications are one of a calendar application, an email application, a to-do list application, a memo application, a word processing application, and a contacts application.

34. (New) The hand-held device of claim 11 wherein the related data are related to the example datum by possessing a same term, the same term being one of a same word contained in the data, a same string of words contained in the data, and a same calendar date contained in the data.

35. (New) The method of claim 16 wherein the related data are related to the example datum by possessing a same term, the same term being one of a same word contained in the data, a same string of words contained in the data, and a same calendar date contained in the data.

36 (New) The computer-readable medium of claim 23 wherein the related data are related to the example datum by possessing a same term, the same term being one of a same word contained in the data, a same string of words contained in the data, and a same calendar date contained in the data.

37. (New) The system of claim 1 wherein the related data are related to the example datum by possessing a same term, the same term being one of a same word contained in the data, a same string of words contained in the data, and a same calendar date contained in the data.

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